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U.S. DEPARTMENT OF LABOR

Form No. LSH-005-4
May 1969

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

CONFIDENTIAL
Proprietary Information
Amchem Products, Inc.

SECTION I

MANUFACTURER'S NAME AMCHEM PRODUCTS, INC.		EMERGENCY TELEPHONE NO. (215) 646-1700 (28-1321)
ADDRESS (Number, Street, City, State, and ZIP Code) Brookside Avenue; Ambler, Penna. 19002		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS Alodine 1200S
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Powder Mixture				Chromic Acid	50-60
				Simple and Complex Fluoride Salts	30-40
				Ferricyanide Salt	10-20

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	-	SPECIFIC GRAVITY (H ₂ O=1)	-
VAPOR PRESSURE (mm Hg.)	-	PERCENT VOLATILE BY VOLUME (%)	-
VAPOR DENSITY (AIR=1)	-	EVAPORATION RATE (_____ = 1)	-
SOLUBILITY IN WATER	very		
APPEARANCE AND ODOR	Orange powder - slight acidic odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NONE	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Water			
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
Do not allow powder to come in contact with organic materials such as sawdust, rags, paper, etc.				

BOE-C6-0203691

THRESHOLD LIMIT VALUE	0.1 mg./M ³ (air); 0.05 ppm (water) based on Cr+6
EFFECTS OF OVEREXPOSURE	Ulceration of mucous membranes.
EMERGENCY AND FIRST AID PROCEDURES	
Skin contact - wash thoroughly with soap and water immediately.	
Eye contact - flush with large amounts of water. Call a doctor.	
Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor.	

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Transfer contents to a clean lined polyethylene drum. Discard broken container after rinsing with water.	
WASTE DISPOSAL METHOD	
Reduce with bisulfite and then neutralize with lime.	

SECTION VIII SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Filter Type dust respirator 30CFR14 (Bureau of Mines Schedule 21B) Dust mask		
VENTILATION	LOCAL EXHAUST Exhaust fan	SPECIAL Should have an adequate ex-OTHER haust system.
	MECHANICAL (General)	
PROTECTIVE GLOVES Rubber		EYE PROTECTION Goggles, face shields
OTHER PROTECTIVE EQUIPMENT Aprons		

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Do not allow organic materials such as sawdust, rags, etc., to become saturated with Alodine 1200S application as they may be easily ignited when dry.	
OTHER PRECAUTIONS	
Keep container closed. Do not get in eyes, on skin, on clothing. Do not breathe dust.	

AMCHEM PRODUCTS, Inc.

D.O.T. SHIPPING INFORMATION

CURRENT

PRODUCT

Alodine 1200, Alodine 1200S

BILL OF LADING DESCRIPTION

Compounds, Iron or Steel Rust Removing or Pre-
venting Other Than Petroleum

D.O.T. PROPER SHIPPING NAME

Oxidizing Material, N.O.S.

D.O.T. HAZARDOUS CLASS

Oxidizing Material

D.O.T. LABEL

Oxidizer

MISCELLANEOUS

None

The above information is being provided to assist you in complying with the proper labeling and marking of this product as required by the Department of Transportation.

TRAFFIC DEPARTMENT

AMCHEM PRODUCTS, Inc.

D.O.T. SHIPPING INFORMATION

MANDATORY 7/1/77

PRODUCT

Alodine 1200, Alodine 1200S

BILL OF LADING DESCRIPTION

Compounds, Iron or Steel Rust Removing or Pre-
venting Other Than Petroleum

D.O.T. PROPER SHIPPING NAME

Oxidizer N.O.S.

D.O.T. HAZARDOUS CLASS

Oxidizer

D.O.T. LABEL

Oxidizer

MISCELLANEOUS

None

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TRAFFIC DEPARTMENT